SurPaaS® Analyzer is a Cloud smart decision-enabling tool that analyzes your application for its effective Cloud migration. Its end-to-end multi-layer analysis from software binaries to its operating environment and frameworks generates multiple reports, which address critical operational and business considerations.

**Unique Features**

- Scanning your applications at on-premises servers or on Cloud instances
- Comprehensive reports about Business, SaaS, and Operations feasibilities
- Multiple topologies suggested for your deployment needs
- Compatibility ratings suggest the best Clouds and best topologies or blueprints
- Heat map describes effort needed to Cloud and SaaS enable your application
- Scans and builds the workload map of your application to its finest details

SurPaaS® Analyzer guides you to make better business decisions on application migration to Cloud within a few minutes of analyzing your application. Cut your application assessment time by a factor of 10 and Cost by 75%. This intelligent analysis and assisted decision-making save substantial costs and time involved in the Cloud migration analysis. Strategic decision makers can get all possible Cloud migration scenarios, SaaS compatibility, Operations and Business analysis reports for any number of applications in their portfolio; and, perform various cost modeling quickly and easily.
Automatic Scanning
With SurPaaS® Scanner, all the nodes are scanned concurrently, and the data collected is secured using encrypted file. If the SSH port of the system to be scanned is open, scanning process is done automatically. Else, you can manually download the Scanner to scan the system.
As there is no limit to the number of nodes, you can simultaneously scan any number of servers. In addition, SaaS Providers can include or exclude files, folders, and registry from the scanning. Removing unrelated workloads from scanning accelerates the process of application assessment.

Data Gathering and Secured Transmission
SurPaaS® Scanner protects critical information by scanning only the application binary files in the servers and not the source code. The data collected is encrypted for protection and securely sent to SurPaaS® Analyzer for analysis and reporting.

PaaS Service Advisory
SurPaaS® Analyzer lists the workloads offered by the Cloud Provider in the Cloud. You can avail them or can move your own workload to the Cloud. PaaS Services are faster to deploy and provide the availability of services and maintenance in the Cloud. This reduces the cost of managing your own services in Cloud.

OS Advisory
SurPaaS® Analyzer recommends the compatible Operating System of your application server and its supported workloads which are available/supported in your preferred Cloud.

Security and Compliance Advisory
SurPaaS® Analyzer specifies if the required security and compliances of your application are supported in your preferred Clouds. SaaS Providers can select Security and Compliances—which they prefer to retain in the preferred Cloud and analyze the application for compatibility comparison.

Analyze Application
SurPaaS® Analyzer extracts the data collected from the scanned application. After scanning the application servers, SaaS Providers can select prospective Cloud and perform the analysis for Cloudability status in the selected Cloud. With authorization and authentication measures, the entire scanning as well as analysis remains secured.

Analyze Multiple Applications
SurPaaS allows you to analyze multiple applications simultaneously. Using bulk upload feature in SurPaaS, you can upload the multiple application servers and workloads information files to create application profiles and perform Cloudability analysis.

Agentless Scan
To scan a protected environment, SurPaaS comes with a safe and secure agentless scan. Provide only the primary machine credentials, SurPaaS will perform an agentless scan of all the servers connected to the network.

Cloud Compatibility Analysis
SurPaaS® Analyzer concurrently assesses the application’s Cloud compatibility for all the selected Clouds; and, shows their compatibility status in a single view.

Heat Map for Cloud Compatibility
The heat map in the feasibility report highlights six different Cloud enablement ratings. The analysis outputs a heat map that clearly identifies areas that require efforts to migrate the application onto the
preferred Cloud(s).

<table>
<thead>
<tr>
<th>Application Services</th>
<th>Amazon</th>
<th>SoftLayer</th>
<th>Windows Azure</th>
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<tbody>
<tr>
<td>ApacheHttp_Web (WebServer)</td>
<td>5</td>
<td>5</td>
<td>4</td>
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<tr>
<td>MySQL (RDBMS)</td>
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**Micro-workload architecture**

SurPaaS\(^\circ\)\ Analyzer scans and builds the workload map of your application to its finest details. Micro-workload map gives you better insight of your application and helps you assess if your application can be deployed on various Clouds.

Complete DNA of each application will be derived that will assist you in data migration and verifying Security and compliances.

**Designing own Topology**

Apart from the suggested topologies, SurPaaS\(^\circ\)\ Analyzer allows you to create your own topology for the selected Cloud that best suits your application.

You can also clone an existing topology and change the workload capacity or rearrange workloads, operating system, hardware specifications that suits your business needs. You can mark some of the workloads to be converted as PaaS services while Cloud migration. Using SurPaaS\(^\circ\)\ Shift, the corresponding PaaS services will be launched during Cloud migration.

**Software Patterns**

SurPaaS\(^\circ\)\ Analyzer’s effective scanning identifies and lists the software patterns of the application in detail.

**Database Details**

SurPaaS\(^\circ\)\ Analyzer identifies list of databases your application uses with the number of tables, triggers, and functions in each database.

**Cloud Deployment architecture**

Explore how SurPaaS\(^\circ\)\ Analyzer provides you with better deployment choices for your application. You can now make your application elastically scalable, backup enabled, and clustered for high reliability.

**Cost modeling for Cloud Migration**

Several initial and recurring costs are involved related to operations, application services, hardware and networking side, before Cloud migration. SurPaaS\(^\circ\)\ Analyzer helps SaaS Providers to foresee the cost involved in operations and business considerations by adding or editing with the necessary requirements.
Decisive Reports

The application analysis generates multiple reports from the perspectives of business, technological, SaaS, and operational needs.

Based on the help of these intelligence reports, SaaS Providers can make the optimum choice among suggested topologies.

Feasibility Report Provides compatibility ratings on every server type and Clouds. Each of the application infrastructure components is shown with its compatibility rating as a heat map identifying the best suitable Cloud for migration.

Operational Report Identifies best suitable topologies and provides insights about how well the application can meet the service levels as SaaS.

Business Report Provides the cost forecast with pricing models for all your preferences. The cost of each service—for images, disk usage, monitoring, special reports, and so on—is provided for you to estimate the cost breakdown.

SaaSability Report Describes the suitability of the application, its infrastructure, and architecture suggesting suitable SaaS models.

Once selected, the application is rapidly converted and quickly deployed as an operational ready Cloud service.

Patch Synchronization

SurPaaS® identifies the workloads that are not identified by the Scanner and allows those workloads to be synched up with the scanning process as a patch. This feature allows the SurPaaS® Scanner to enhance the scanning capabilities of all the workloads in an application system.

Cost Synchronization

SurPaaS allows to synchronize the original topology cost with the selected topology. This assists in reusing the same cost structure as the original topology.
Operating Systems

Supported Technologies
- Java
- PHP
- .NET

Benefits from SurPaaS® Analyzer
Multiple Workloads, Multiple Topologies
Supports simultaneous multiple workload scanning and provides accurate information about applications and their environments.

Automated Information Collation
Collates the technologies and environment details such as database, operating system, schema and so on, as a secured content.

Accurate Information to Proceed to SaaS
Gathers correct and required application information that enables easy SaaS transformation process.

Security and Scalability
Secures the application information through encrypted file and suggests options for better scaling possibilities, which result in improved cloud cost efficiency.

Best Cloud and Topology Options
Guides you to choose the best cloud and the topology based on compatibility ratings and multiple comprehensive reports.

Supported Clouds
SurPaaS® Analyzer is supported on a growing list of Clouds*.
- Amazon
- Softlayer
- Windows Azure
- Amazon VPC
- Dimension Data
- Rackspace

*Any new Cloud can be modelled and added as a knowledge base – both Private and Public Clouds.

Intelligent Insights
SurPaaS® Analyzer gives insight into the following application areas:
- Application server stack that the application requires
- Hardware setup where the application is installed
- Software, memory, storage and cache configurations
- Network parameters and firewalls
- Operating System configuration
- Platforms installed along with application
- Frameworks on which the application is built
- Application deployment topology
- Messaging and authentication systems
- Additional software that works alongside the application
- Internal software patterns and their configurations and many more …

Corent Technology – The Leader in SaaS Transformation
- Eliminates upfront development costs
- Faster time to market
- Lowers SaaS operational costs
- Leadership through Innovative technology
- Partnerships with Industry leaders in the Cloud space
- Solutions can be deployed across the globe

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